Panasonic

Operating Instruction

Colour Television
TC-20S10M2
TC-2000T2
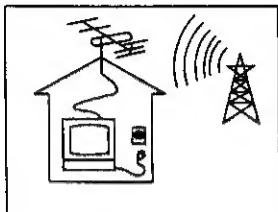
Please read the operating instructions completely before operating this set.
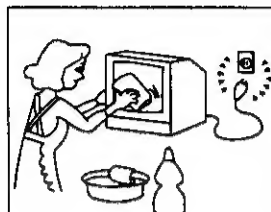
(Dear Panasonic customer)

Welcome to the Panasonic family of customers. We hope that you will have many years of enjoyment from your new colour television.

(Safety Instructions)

The TV set can be operated on AC SINGLE 230V, 50/60 Hz (TC–20S10M2) and AC AUTO 110 – 240V, 50/60 Hz (TC–2000T2)

The cabinet and picture tube can be kept in good condition by simply wiping with a clean, soft cloth moistened with mild detergent and water. Do not use solutions containing benzol, petroleum or a chemical cloth. For safety, remove the plug from the wall outlet.
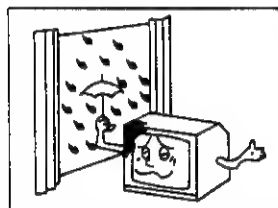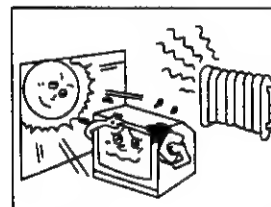
To prevent damage which may result in fire or electrical shock, do not expose the TV set to rain or excessive moisture.
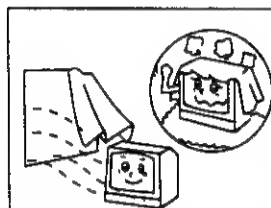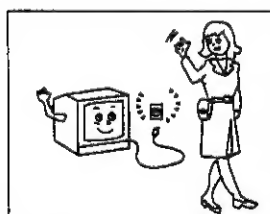
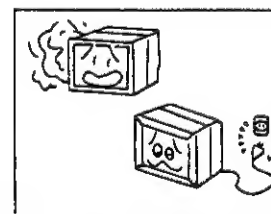Adequate ventilation is essential to prevent failure of electrical components.
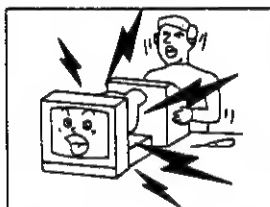
Do not remove the rear cover, as live parts are accessible when it is removed.

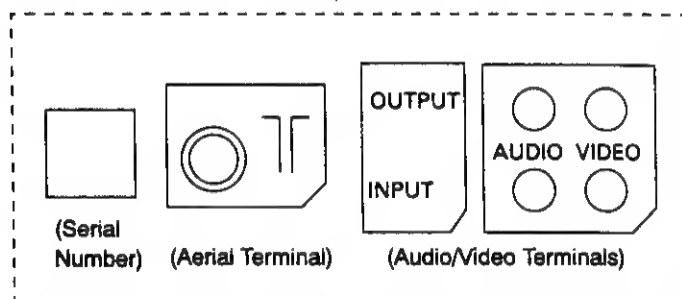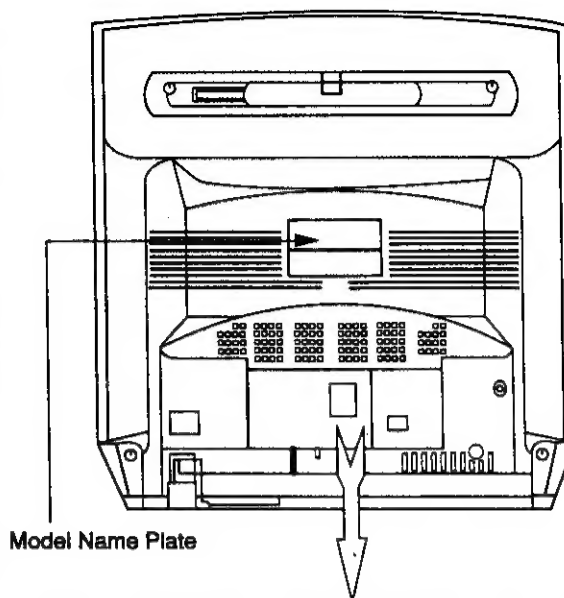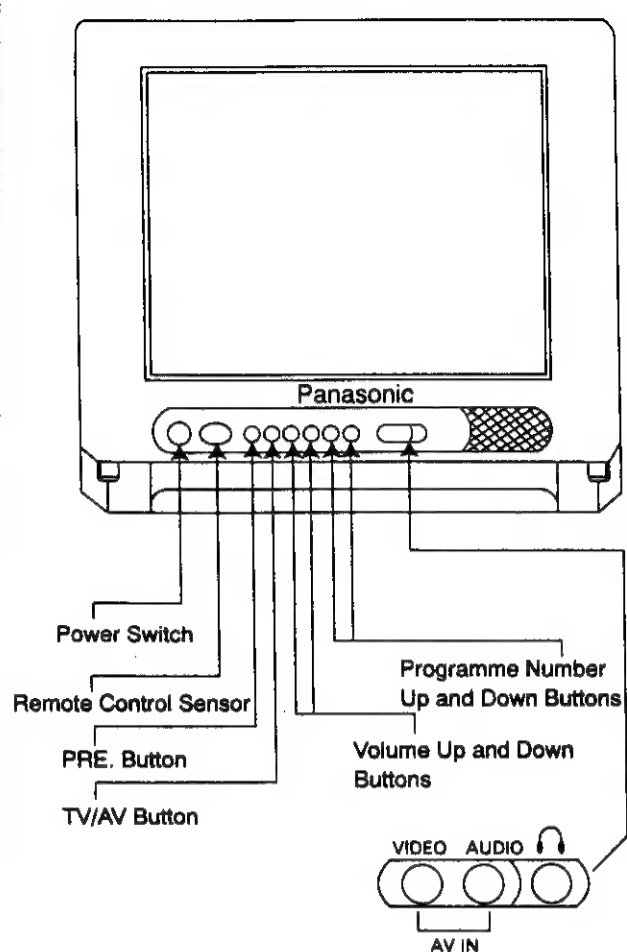Avoid exposing the TV set to direct sunlight and other source of heat.

Remove the plug from the wall outlet (Power point) when the TV set is not used for a prolonged period of time.
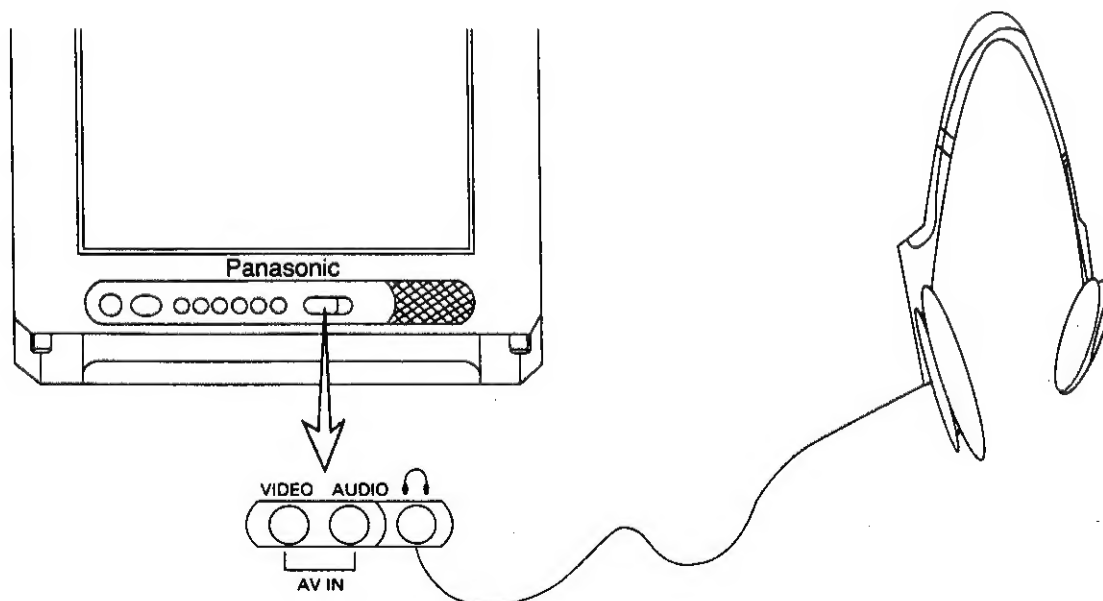
Do not use this set if abnormal operation occurs.
EX: smoke, odd sounds or smells, turn the power switch off and disconnect the AC power if you notice any unusual operation.

Location of Controls

Power Switch

Remote Control Sensor

PRE. Button

TV/AV Button

Programme Number
Up and Down Buttons

Volume Up and Down
Buttons

Panasonic

VIDEO   AUDIO 🎧
AV IN

Model Name Plate

(Serial
Number)   (Aerial Terminal)

OUTPUT

INPUT

AUDIO   VIDEO

(Audio/Video Terminals)

Connection (Earphone)

Panasonic

VIDEO   AUDIO 🎧
AV IN

2

(Remote Control Transmitter)

Stand-by Button

TV/AV Selection Button

Recall Button

Off-Timer Button

Normalization Button

Main Menu Selection
Button

Volume Up and Down
Buttons

Programme Number Up
and Down Buttons

Direct Programme
Number Selection
Buttons

Two Digit Programme
Number Selection Buttons

Sound Mute Button

Position Buttons

Picture Menu Button

Panasonic

Note :
Use two "R6" size dry batteries
for Remote Control Transmitter

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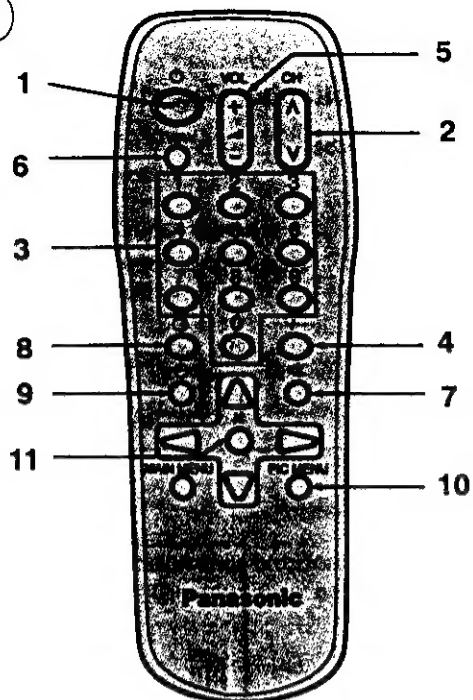
To Switch Power on/off

The TV set must be switched
on at the wall outlet and at the
Main power switch.

1.

Press this button to turn the
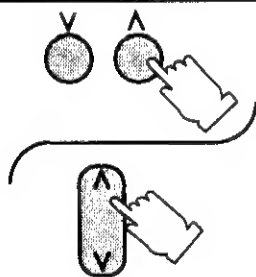TV set ON, from stand-by mode.
Press it again to turn off.

Note :

When in the stand – by condition, it is possible
to turn the TV set on by pushing the Direct Programme
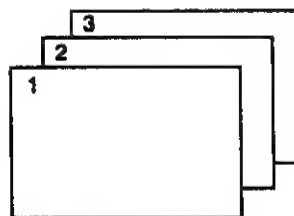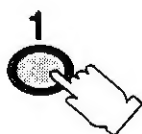Number Selection button (0-9) or the Programme Number
Up and Down button.
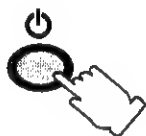
2.

Programme Number Selection

Press the programme number Up
"∧" or down " v " Button to select
the next higher or lower
programme number.

3.

Direct Programme Number Selection

(0 - 9)

e. g. To select programme number
"1", press the "1" button.

4

4.

-/--

Two Digit Programme Number Selection

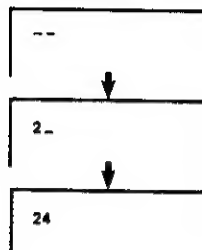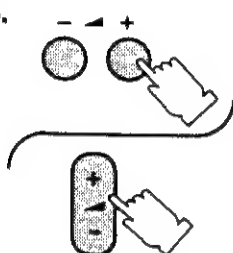e.g. To select Programme Number "24".

Push the ⌁ button.

Push the ² button.

Push the ⁴ button.

| Setting range | 0 ~ 99 |

--

↓

2 _

↓

24

You can select a two Digit Programme Number.

5.

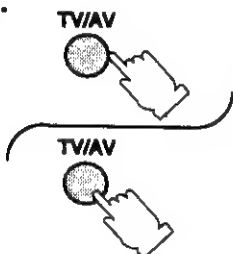– ◄ +

Volume Adjustment

Push the Volume Up or Down button to increase or decrease the sound volume level.
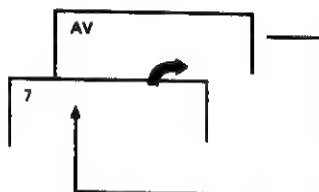
◁5
||||| --------

Note :

The on screen display will indicate both numerically and graphically the volume level. Numeric levels start at " 0 " for zero or no sound, and will increase up to 63 which is the maximum sound level.
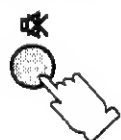

6.

TV/AV

TV / AV Selection

Push the " TV/AV " button to select TV and AV input signal.

TV/AV

AV

7

7.

✕

Sound Mute Button

Push the this button to mute the Sound completely.
Push the button once again to restore the previous sound level, and cancel the mute.
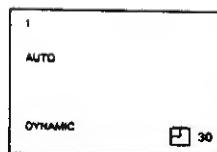
✕

◁5
||||| --------

The " Mute " symbol will appear. (Colour changes to red)

Recall Button

8.

⊕

Push the RECALL button to display the current system status. Press this button until display is cancelled.
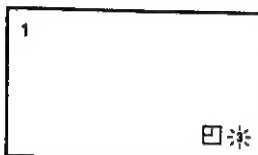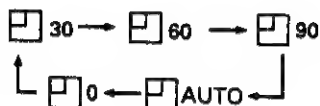
1

AUTO

DYNAMIC   ▣ 30

9. Off Timer Button

The TV set may be preset to switch to stand-by after a fixed period.
By pressing "Off-Timer" button, you can select the preset time either 30, 60, or 90 minutes.

⊟ 30 —→ ⊟ 60 —→ ⊟ 90
└ ⊟ 0 ←— ⊟ AUTO ←┘

⊟ 30

⊟ ☀

When the off-timer reaches its last 3 minutes, it starts blinking before going to stand-by condition.

Note :
Setting Off-timer to AUTO mode.
If the set is not switched off, when the TV station ends broadcasting, it will automatically go to the stand-by condition after 5 minutes. This AUTO mode will not operate when the TV receiver is in AV mode.

How to cancel the OFF-timer setting:
1. Set the preset time condition to "0" mode by pressing the Off - timer button.
2. Turning the TV set off.

10. Picture Menu

PIC MENU

By pressing the PICTURE MENU button, you can sequentially select the Picture menus as shown below:

On-screen	Function
DYNAMIC	For watching in brighter environments. This menu selects a higher than normal level of brightness and contrast.
STANDARD	For watching in normal (evening) environments. This menu selects normal level of brightness and contrast.
SOFT	For watching in dark environments. This menu selects reduced level of brightness and contrast.

11. Normal (N) Button

N

This button can be used for setting the Colour, Brightness, Contrast, Sharpness, Tone and Colour Temp. When this button is pressed, all functions setting are reset to the factory preset level.

Flow Chart of Main Menu

When the " MAIN MENU " button is pushed at the main menu screen, the screen display will return to the normal viewing condition. When the " MAIN MENU " button is pushed at each MENU screen (Picture, Sound, Features,Language, Preset), the screen display will return to the Main Menu screen.

Push	MAIN MENU ○				
Select	◁ ▷				
Symbol Mark	📺	◖	☝	🌡	⊞
On-Screen Indication	[PICTURE]	[SOUND]	[FEATURES]	LANGUAGE / ENGLISH / 中文 / РУССКИЙ / العربية	[PRESET]
Push	▽	▽	▽	▽	▽
On-Screen Indication (example)	DYNAMIC / 32 COLOUR / 32 NTSC-TINT / 32 BRIGHT / 63 CONTRAST / 32 SHARPNESS / STD COLOUR TEMP	63 TONE	BLUE BACK ON / CH COLOUR SET STD / CHILD LOCK OFF	语言 / ENGLISH / 中文 / РУССКИЙ / العربية	88 / AUTO SEARCH / MANUAL SEARCH / COLOUR SYS AUTO / FINE TUNE / SKIP OFF
	△▽		△▽	△▽	△▽
	DYNAMIC / 32 COLOUR / [32 NTSC-TINT] / 32 BRIGHT / 63 CONTRAST / 32 SHARPNESS / STD COLOUR TEMP		BLUE BACK ON / [CH COLOUR SET STD] / CHILD LOCK OFF	ЯЗЫК / ENGLISH / 中文 / [РУССКИЙ] / العربية	88 / AUTO SEARCH / [MANUAL SEARCH] / COLOUR SYS AUTO / FINE TUNE / SKIP OFF
	△▽		△▽	△▽	△▽
	DYNAMIC / 32 COLOUR / 32 NTSC-TINT / [32 BRIGHT] / 63 CONTRAST / 32 SHARPNESS / STD COLOUR TEMP		BLUE BACK ON / CH COLOUR SET STD / [CHILD LOCK OFF]	اللغة / ENGLISH / 中文 / РУССКИЙ / [العربية]	88 / AUTO SEARCH / MANUAL SEARCH / [COLOUR SYS AUTO] / FINE TUNE / SKIP OFF
	△▽				△▽
	DYNAMIC / 32 COLOUR / 32 NTSC-TINT / 32 BRIGHT / [63 CONTRAST] / 32 SHARPNESS / STD COLOUR TEMP				88 / AUTO SEARCH / MANUAL SEARCH / COLOUR SYS AUTO / [FINE TUNE] / SKIP OFF
	△▽				△▽
	DYNAMIC / 32 COLOUR / 32 NTSC-TINT / 32 BRIGHT / 63 CONTRAST / [32 SHARPNESS] / STD COLOUR TEMP				88 / AUTO SEARCH / MANUAL SEARCH / COLOUR SYS AUTO / FINE TUNE / [SKIP OFF]
	△▽				
	DYNAMIC / 32 COLOUR / 32 NTSC-TINT / 32 BRIGHT / 63 CONTRAST / 32 SHARPNESS / [STD COLOUR TEMP]				

7

Tuning Procedure

Automatic Search
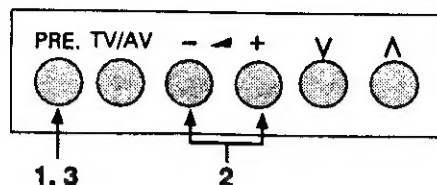
OR
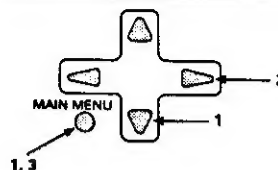
This TV uses automatic tuning to determine whether or not a broadcast signal is being sent which it can receive and automatically prepares so that the channel selection can respond to both the position select and direct select modes.

1.	PRE.	Press the "PRE" (PRESET) button, setting the Automatic search mode.	Channel Number Automatic search condition.
		Press the "MAIN MENU" and "Position" buttons, until "AUTO SEARCH" is selected.	
2.	− ◂ +	Press the Volume Up " + " button.	Search start.
		Press the Position Right button.	The best tuning position is automatically memorized.
3.	PRE.	Press the " PRE " (PRESET) button 5 times.	This returns the set to the normal viewing condition.
	MAIN MENU	After all stations are tuned, press the "MAIN MENU" button twice.	
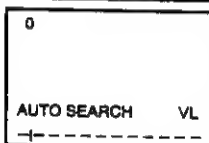
Helpful Hints

1. If a clear picture with correct colours cannot be obtained when a broadcast or AV signal is received, refer to the "Colour System Selection" operation on page 14.
2. After the Automatic Search operation is finished, press the Channel Number "Up" button to confirm the tuning condition for each Channel Number. If some Channel Numbers are unused, it is possible to skip such Channel Numbers. Please refer to the Channel Number Skip operation on page 12.
3. Repeated pressing of the "PRE." (PRESET) button changes the Preset Menu as follows :

AUTO SEARCH ⟶ MANUAL SEARCH ⟶ COLOUR SYS
(Page 8) (Page 9) (Page 14)

TV MODE ◂— SKIP ◂— FINE TUNE
(Normal viewing condition) (Page 12) (Page 10)
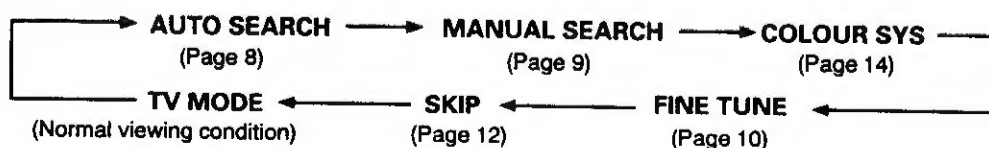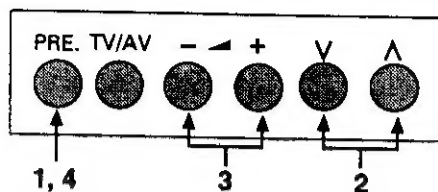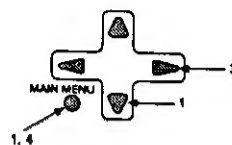
Manual Search

PRE.		
1.	Press the "PRE" (PRESET) button twice, setting the Manual Search mode.	Channel Number Manual search condition.
	Press the "MAIN MENU" and "Position" buttons, until "MANUAL SEARCH" function is selected.	

```
        1
AUTO SEARCH
[MANUAL SEARCH]

COLOUR SYS   AUTO
FINE TUNE
SKIP         OFF
```
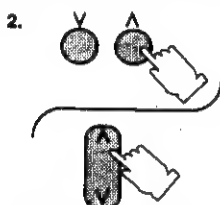
2.	Press either the Channel Up or Down button.	Select the desired Channel Number.

```
        2
AUTO SEARCH
[MANUAL SEARCH]

COLOUR SYS   AUTO
FINE TUNE
SKIP         OFF
```
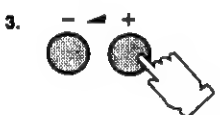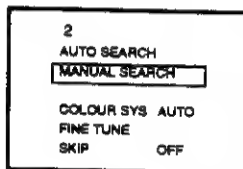
3.	Press the Volume Up " + " or Down " − " button. Volume " + " : Next higher Channel Volume " − " : Next lower Channel	Search Start.

```
   2



MANUAL SEARCH
-|- - - - - - - - -
```
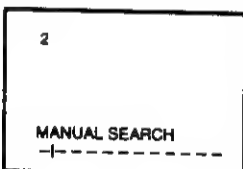
	Press the Position Left or Right button. Position left : Next lower Channel. Position right : Next higher Channel.	The best tuning position is automatically memorized.

```
        2
AUTO SEARCH
[MANUAL SEARCH]

COLOUR SYS  AUTO
FINE TUNE
SKIP        OFF
```
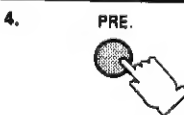
4. PRE.	Press the "PRE" (PRESET) button 4 times.	This returns the set to the normal viewing condition.
MAIN MENU	Press the "MAIN MENU" button twice.	

Helpful Hints

1. If a clear picture with correct colours cannot be obtained when a broadcast or AV signal is received, refer to the "Colour System Selection" operation on page 14.

2. After the Manual Search operation is finished, press the Channel Number "Up" button to confirm the tuning condition for each Channel Number. If some Channel Numbers are unused, it is possible to skip such Channel Numbers. Please refer to the Channel Number Skip operation on page 12.

Fine Tune

PRE. TV/AV – ◀ + ∨ ∧

2, 4   **3**   **1**

OR

MAIN MENU

2, 4   3   2
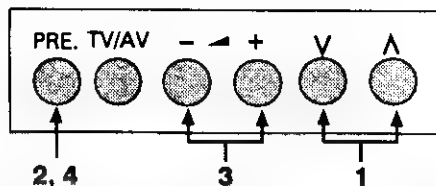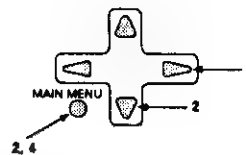
Under normal reception condition, this function is not used. However, in areas of poor reception or constant interference, a slight adjustment on the fine tuning can improve the picture and sound quality.

1.
∨ ∧

Select the channel which you want to try to improve, using the Channel Up or Down buttons.

Select the desired Channel Number.

2.
PRE.

Press the " PRE." (PRESET) buttons 4 times, setting the Preset Menu to "Fine Tune".

Press the "MAIN MENU" and "Position" buttons, until "FINE TUNE" is selected.

MAIN MENU

1
AUTO SEARCH
MANUAL SEARCH
COLOUR SYS AUTO
FINE TUNE
SKIP   OFF

Fine Tune condition.

3.
– ◀ +

Press the Volume Up " + " or Down " – " button until the picture is received.

MAIN MENU

Press the Position Left or Right button until the picture is received.

1

FINE SEARCH   VL
–|– – – – – – – – –

Fine Tune Start.

■ 1
AUTO SEARCH
MANUAL SEARCH
COLOUR SYS AUTO
FINE TUNE
SKIP   OFF

The AFC (Automatic Frequency Control) function is deactivated. The " ■ " symbol appears to the left of the Channel Number.

4.
PRE.

Press the "PRE" (PRESET) button 2 times.

This returns the set to the normal viewing condition.

MAIN MENU

After all stations are tuned, press the "MAIN MENU" button twice.

■ 1

How to cancel the Fine Tuning

PRE. TV/AV − ◄ + ∨ ∧

OR

2, 4   **3**   **1**
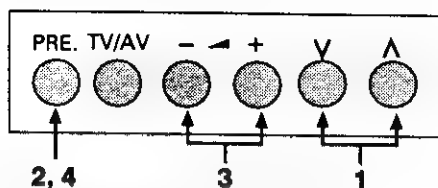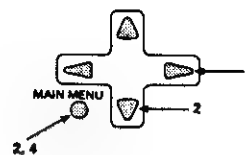
Cancelling previously adjusted (manually) fine tuning, means re – activating the AFC (Automatic Frequency Control) Function, also known as AFT (Automatic Fine Tuning). Re – activating the Automatic Fine Tuning means albaming the set to automatically tune optimum tuning position, for that Channel Number.

1.
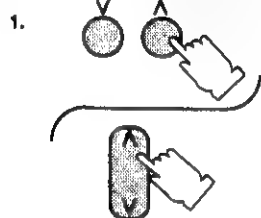
Select the "AFC OFF" Channel Number which you want to return to Automatic Frequency Control (Cancel the manual fine tuning).
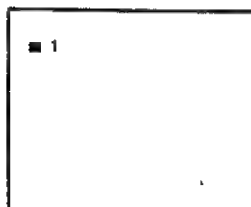
"AFC OFF" Channel Numbers are indicated to you by the " ▪ " symbol to the left of the Channel Number.

2. PRE.
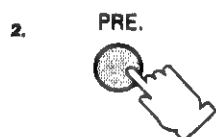
Press the " PRE." (PRESET) buttons 2 times, setting the Preset Menu to "MANUAL SEARCH".
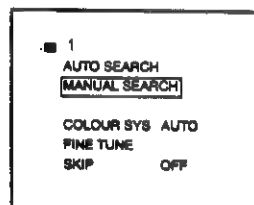
MAIN MENU

Press the "MAIN MENU" and "Position" buttons, until the Preset Menu to "MANUAL SEARCH".

▪ 1
AUTO SEARCH
MANUAL SEARCH
COLOUR SYS AUTO
FINE TUNE
SKIP   OFF

Manual Search condition.

3.

− ◄ +
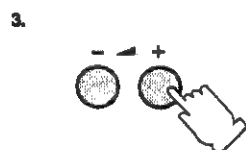
Press the Volume Up " + " or Down " − " button briefly.
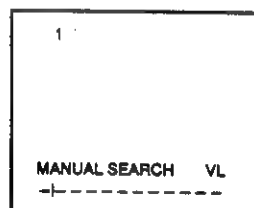
1
MANUAL SEARCH   VL
−|− − − − − − − − − −

The best tuning position is automatically memorized.

MAIN MENU

Press the Position Left or Right button briefly.
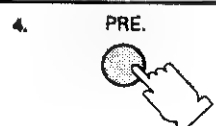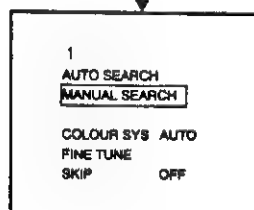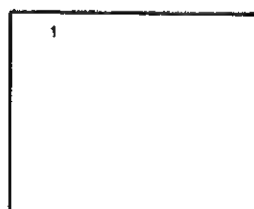
1
AUTO SEARCH
MANUAL SEARCH
COLOUR SYS AUTO
FINE TUNE
SKIP   OFF

4. PRE.

Press the "PRE" (PRESET) button 4 times.

1

This returns the set to the normal viewing condition.

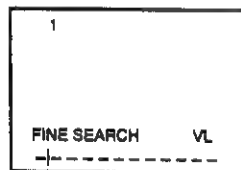MAIN MENU

Press the "MAIN MENU" button twice.

11
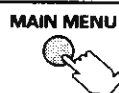
Tuning Procedure

Programme Number Skip
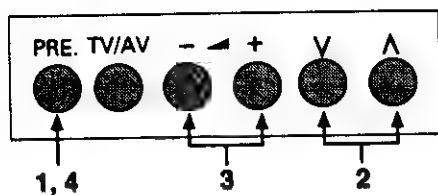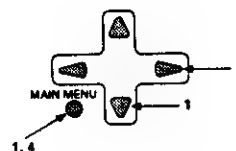
| PRE. TV/AV | - ◄ + | V | Λ |

OR

1, 4 **3** **2**

---

1. PRE.

Press the " PRE." (PRESET) buttons 5 times, setting the Preset Menu to "SKIP".

Channel Skip condition.

```
1
AUTO SEARCH
MANUAL SEARCH

COLOUR SYS   AUTO
FINE TUNE
SKIP              OFF
```

Press the "MAIN MENU" and "Position" buttons, until "SKIP" is selected.

MAIN MENU

---

2. V Λ
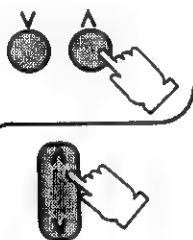
Select a Programme Number you want to skip, by pushing the Channel number Up or Down buttons.

```
2
AUTO SEARCH
MANUAL SEARCH

COLOUR SYS   AUTO
FINE TUNE
SKIP              OFF
```

---

3. - ◄ +

Press the Volume Up " + " or Down " – " button.

The displayed "OFF" condition changes to "ON".

```
2
AUTO SEARCH
MANUAL SEARCH

COLOUR SYS   AUTO
FINE TUNE
SKIP              OFF
```

Press the Position Left or Right button.

MAIN MENU

---
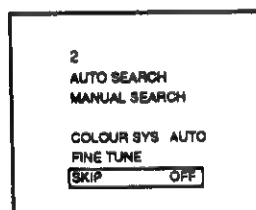
4. PRE.

Press the "PRE" button once.

This returns the set to the normal viewing condition.

MAIN MENU

Press the "MAIN MENU" button twice.

How to Cancel the Skip Function.
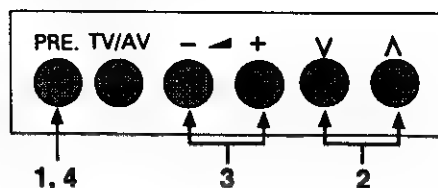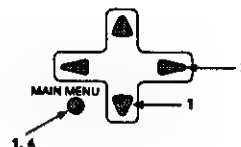
PRE. TV/AV — ◄ + V ∧

OR

MAIN MENU

1, 4   3   2

1, 4

1.

PRE.

Press the " PRE." (PRESET) buttons 5 times, setting the Preset Menu to "SKIP".

Channel Skip condition.

```
1
AUTO SEARCH
MANUAL SEARCH

COLOUR SYS  AUTO
FINE TUNE
SKIP        OFF
```

MAIN MENU

Press the "MAIN MENU" and "Position" buttons, until "SKIP" is selected.

2.

V ∧
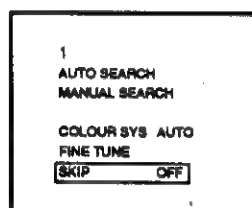
Select the skipped Programme Number, by pressing the Channel Number Up or Down buttons.

```
2
AUTO SEARCH
MANUAL SEARCH

COLOUR SYS  AUTO
FINE TUNE
SKIP        OFF
```

3.

— ◄ +

Press the Volume Up " + " or Down " – " button.

The displayed "ON" condition changes to "OFF".

```
2
AUTO SEARCH
MANUAL SEARCH

COLOUR SYS  AUTO
FINE TUNE
SKIP        OFF
```

Press the Position Left or Right button.

MAIN MENU

Repeat step 2 and 3, if you wish to cancel the Skip function on any other programme number.

4.

PRE.
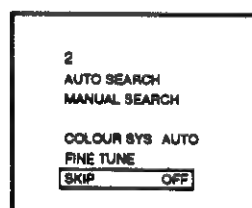
After the Skip Cancel operation is completed, press the " PRE " button once.

This returns the set to the normal viewing condition.

MAIN MENU

After the Skip Cancel Operation is completed, press the " MAIN MENU " button twice.

13
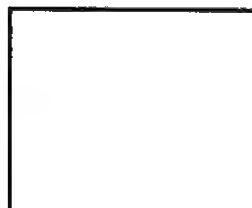
Colour System Selection

Use this function if a clear picture with weak colour is obtained when a Broadcast or AV signal is received.

OR

1, 3   2

1.

PRE.
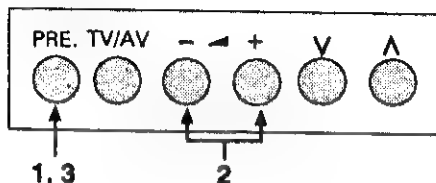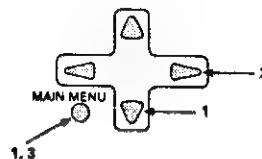
Press the " PRE." (PRESET) buttons 3 times.

Colour System condition.

```
1
AUTO SEARCH
MANUAL SEARCH

COLOUR SYS   AUTO
FINE TUNE
SKIP         OFF
```

MAIN MENU

Press the "MAIN MENU" and "Position" buttons, until "COLOUR SYS" is selected.

2.
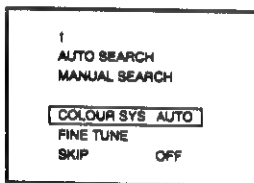
Press the Volume Up " + " or Down button, " – " repeatedly until the optimum image is produced.

```
0
AUTO SEARCH
MANUAL SEARCH

COLOUR SYS   AUTO
FINE TUNE
SKIP         OFF
```

The Colour system will change as shown:

TC-20S10M2

AUTO ◄————————► PAL

NTSC 3.58 ◄————————► NTSC 4.43

MAIN MENU

Press the Position Left or Right button repeatedly until the optimum image is obtained..

TC-2000T2

AUTO ◄————————► PAL

NTSC 4.43 ◄————————► SECAM

3.

PRE.
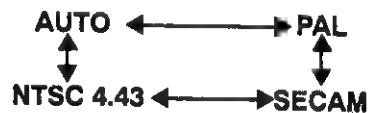
Press the "PRE" (PRESET) button 3 times.

This returns the set to the normal viewing condition.

This selected Colour System is automatically memorized.

MAIN MENU

Press the "MAIN MENU" button twice.
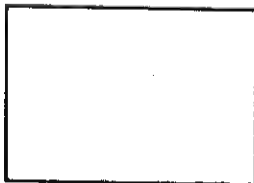
Picture Menu Operation

Method
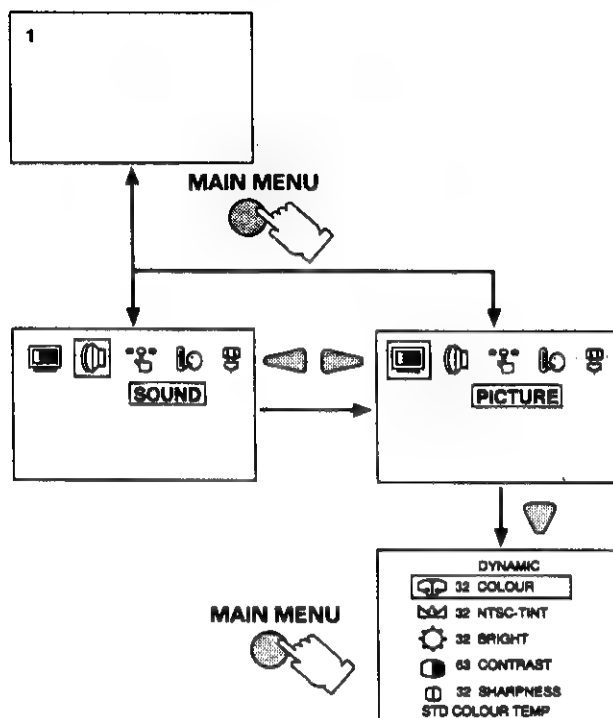
Push	Item	Effect	Indicator
▽ △ Select	COLOUR	◁ ▷ Less More	⊕ 32 _____ COLOUR
▽ △ Select	NTSC-TINT	◁ ▷ Greenish Reddish	🐚 32 _____ NTSC-TINT
▽ △ Select	BRIGHT	◁ ▷ Darker Brighter	☼ 32 _____ BRIGHT
▽ △ Select	CONTRAST	◁ ▷ Less More	◑ 64 _____ CONTRAST
▽ △ Select	SHARPNESS	◁ ▷ Less More	⊕ 32 _____ SHARPNESS
▽ △ Select	COLOUR TEMP	◁ ▷ STD◀—▶WARM	COLOUR TEMP

Helpful Hint

1. By pushing the Normal "N" button on the Remote control while the Picture menu is displayed, the setting of the selected function will be return to factory setting level.

Sound Menu Operation

Method

MAIN MENU

PICTURE

SOUND

MAIN MENU

32 TONE

Picture Menu

Push	Item	Effect	Indicator
▽ △ Select	**TONE**	◁▷ Less More	22 TONE

Helpful Hint

1. By pushing the Normal "N" button on the Remote control while the Sound menu is displayed, the setting of the selected function will return to factory setting.

FEATURES Menu Operation

Method

MAIN MENU

MAIN MENU

PICTURE

FEATURES

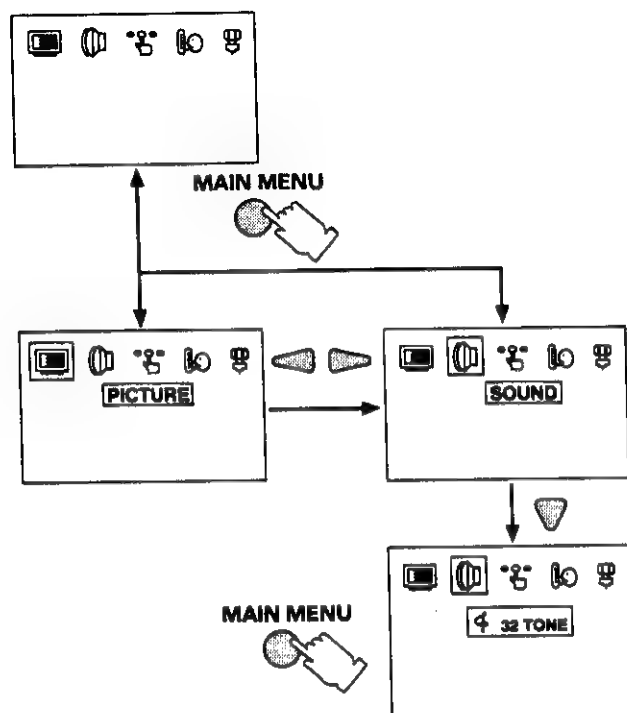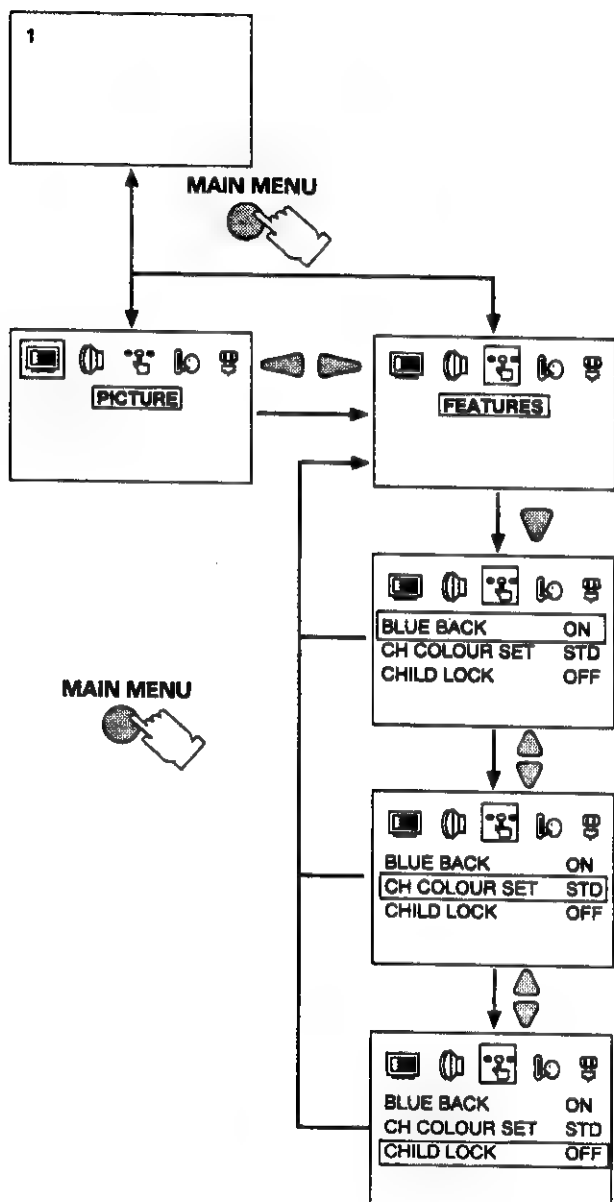| BLUE BACK | ON |
| CH COLOUR SET | STD |
| CHILD LOCK | OFF |

BLUE BACK	ON
CH COLOUR SET	STD
CHILD LOCK	OFF

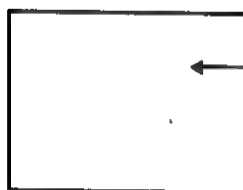| BLUE BACK | ON |
| CH COLOUR SET | STD |
| CHILD LOCK | OFF |

BLUE BACK Mode

When no picture signal is received, or the signal is weak, the screen reverts to a blue background colour and the sound is muted.
Disable this features to continue watching very weak signals.

Blue background colour if no input picture signal or input signal is weak.

Note :

If BLUE BACK Mode is set on while a VCR signal is being viewed, selecting CUE or REWIEW may cause the screen to revert to the blue background colour. Disable this feature to view correctly.

CH (Channel) COLOUR SET mode.

Colour density varying between broadcast channels can be adjusted to three levels for each reception channel as follow:

STD ◄──► HIGH ◄──► LOW ◄──

CHILD LOCK mode.

To child lock any channel, press the position left or right button.
1) When channel is "LOCK", sound is muted and screen becomes blue colour.
2) If any the channels is CHILD LOCK, then pre set key at any panel will not work. If preset key (Panel) is pressed, message "Child Lock ON" will appear.
3) Main power ON in child locked channel will display "CHILD LOCK ON" on screen to remind user that the Child lock is On and is in Child locked channel.
4) Each channel has its own memory for channels to be child locked.

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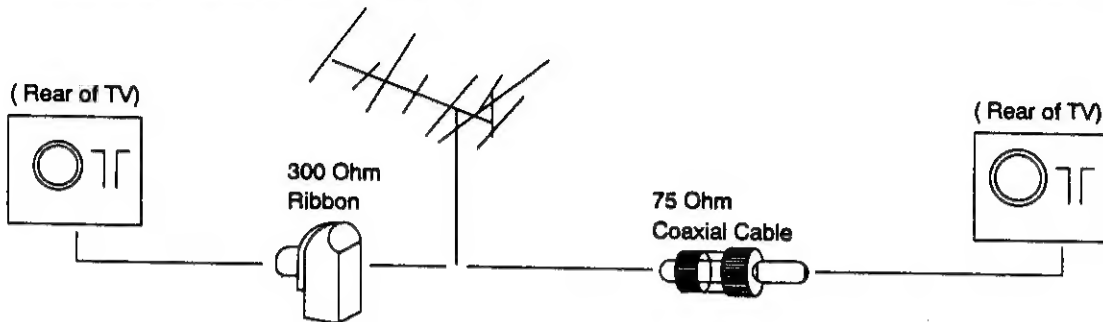## Language Menu Operation

Method
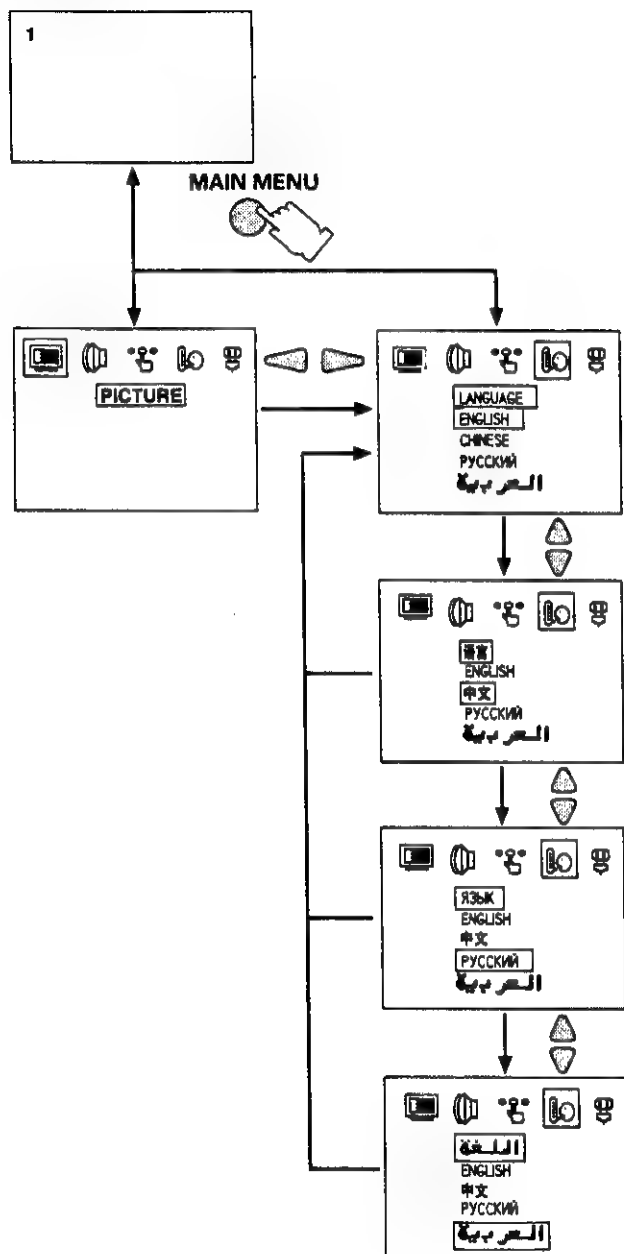
Language Menu

Press the "Position Up or Down" button. The on-screen language display will change as follows:.

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Antenna Connection

To obtain the best quality picture and sound, plug the connectors (300 Ohm Ribbon or 75 Ohm Coaxial Cable) to the antenna terminal on the rear of TV set.

(Rear of TV)

300 Ohm
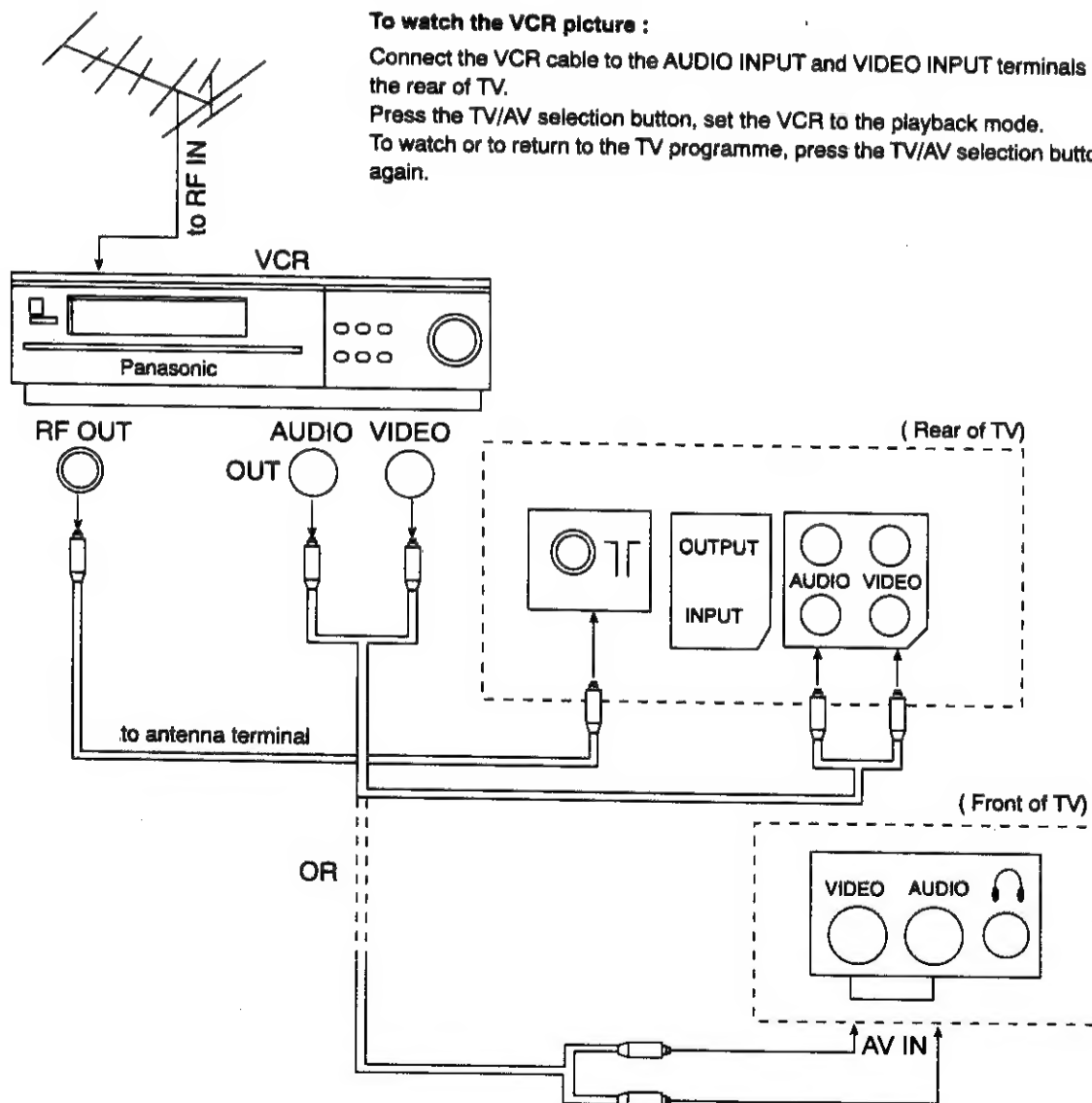Ribbon

75 Ohm
Coaxial Cable

(Rear of TV)

Connections (Audio Input and Video Input)

To watch the VCR picture :

Connect the VCR cable to the AUDIO INPUT and VIDEO INPUT terminals at the rear of TV.
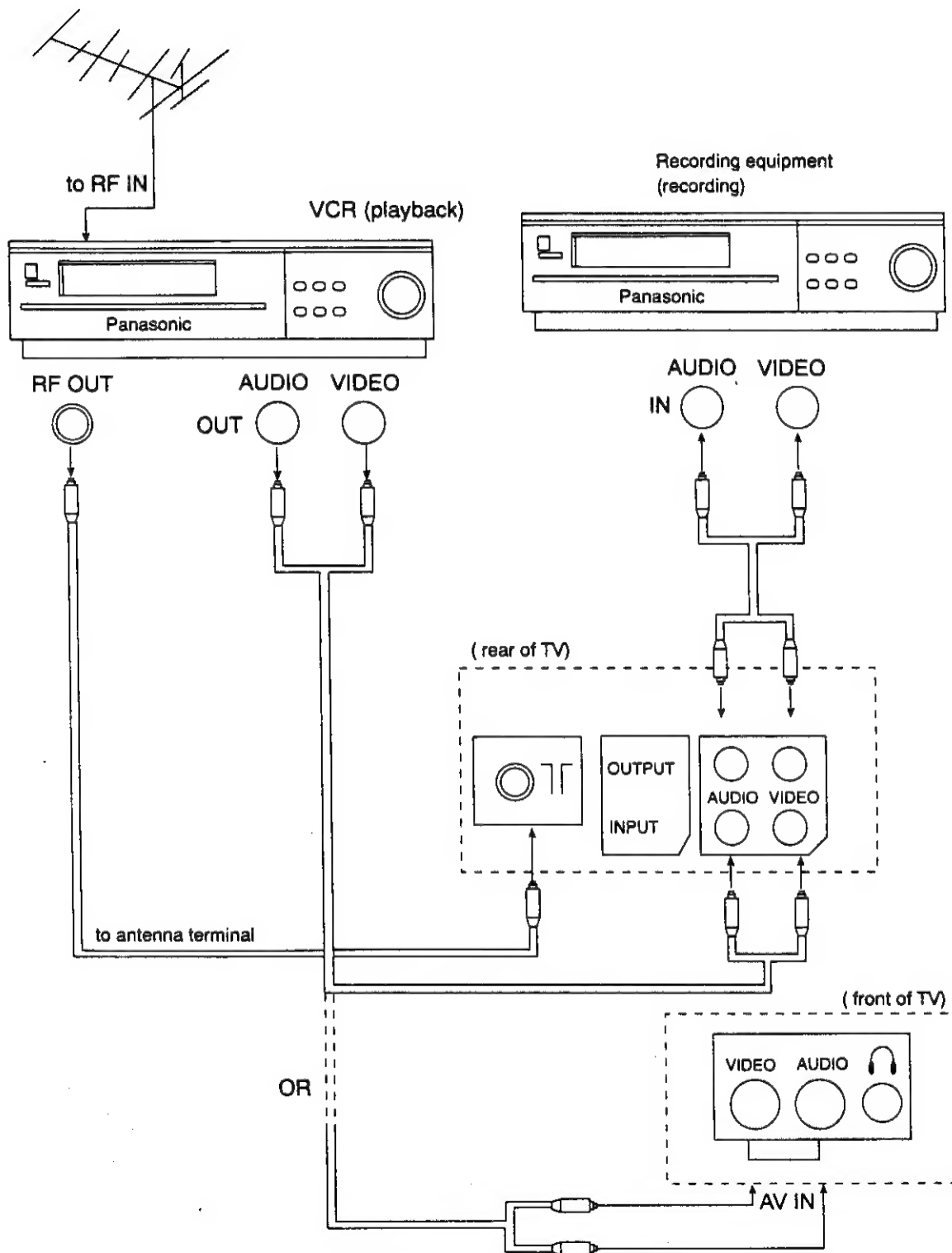Press the TV/AV selection button, set the VCR to the playback mode.
To watch or to return to the TV programme, press the TV/AV selection button again.

to RF IN

VCR

Panasonic

RF OUT   AUDIO VIDEO
                OUT

(Rear of TV)

OUTPUT

INPUT

AUDIO VIDEO

to antenna terminal

OR

(Front of TV)

VIDEO   AUDIO

AV IN

19

Recording

Follow the connection shown below when you want to copy a programme from another tape (VCR).

to RF IN

VCR (playback)

Recording equipment
(recording)

Panasonic

Panasonic

RF OUT

AUDIO VIDEO

OUT

AUDIO VIDEO

IN

(rear of TV)

OUTPUT

INPUT

AUDIO VIDEO

to antenna terminal

(front of TV)

VIDEO AUDIO

OR

AV IN

20

Troubleshooting

Before calling for service, determine the symptoms and make a few simple checks as shown below.

Symptoms		Checks
Picture	**Sound**	
Snowy Picture	Noisy Sound	Aerial Location, direction Connection
Multiple Image	Normal Sound	Aerial Location, direction Connection
Interference	Noisy Sound	Electrical Appliances Cars / Motorcycles Fluorescent Lamps
Normal Picture	No Sound	Volume (Check whether the mute function has been activated on the Remote Control.)
No Picture	No Sound	Not plugged into AC outlet Not switched on Contrast and Brightness / Volume Setting (Check by pushing the Power Switch or Stand-by Button on the Remote Control.)
No Colour	Normal Sound	Colour Control
Scrambled	Weak Sound	Re-tune Channels
Colour Patches	Normal Sound	Magnetic interference from unshielded equipment. Receiver moved while "ON"
No Colour Rolling Picture H-Line	Noisy Sound	System Button

Specifications

Power Source : AC SINGLE 230 V, 50 / 60 Hz **(TC-20S10M2)**
                         AC AUTO 110 ~ 240 V, 50/60 Hz **(TC-2000T2)**
Power Consumption : 82 W
Tuning System : Voltage synthesizer
                         Auto search tuning 100 position
Picture Tube : 48 cm, measured diagonally, 90° deflection
Audio Output : 3W
Remote Control Transmitter : EUR 501380
Battery : R6 (AA) x 2
Dimension (W x D x H) : 518 x 477.7 x 477 mm
Weight (Net): 18.1 Kg
Receiving Systems : 4 SYSTEMS (**TC-20S10M2**)

	SYSTEMS	FUNCTION
1.	PAL B, G	Reception of broadcast transmissions and playback from video cassette tape recorders.
2. 3.	NTSC 4.43 NTSC 3.58	Playback from special VCR only.
4.	PAL 60Hz	Playback from special Disc player and VCR only.

Receiving Channels :

VHF BAND	UHF BAND	CATV
2 – 12 PAL B 0 – 12 PAL B (AUS)	21 – 69 PAL G 28 – 69 PAL B (AUS)	S1 – S41 (HYPER)

Receiving System : 4 SYSTEM (**TC-2000T2**)

	SYSTEMS	FUNCTION
1. 2.	PAL B,G SECAM B,G	Reception of broadcast transmissions and playback from video cassette tape recorders.
3.	NTSC 4.43	Playback from special VCR only.
4.	PAL 60Hz	Playback from special Disc player and VCR only.

Receiving Channels :

VHF BAND	UHF BAND	CATV
2 – 12 PAL/SECAM B, G	21 – 69 PAL B,G/SECAM B, G	S1 – S41 (HYPER)

Note :

Design and Specifications are subject to change without notice.